

*CIPR 14023  
AUG 31 2005  
PATENT & TRADEMARK OFFICE*

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ ) 180

## Complete if Known

Application Number	10/828,495
Filing Date	4/20/04
First Named Inventor	Julian Partridge
Examiner Name	Thanh Tran
Art Unit	2822
Attorney Docket No.	254-094-CIP4-CIP-MB / AK 153763

## METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_  
 Deposit Account Deposit Account Number: 50-3534 Deposit Account Name: Andrews Kurth LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee  
 Charge any additional fee(s) or underpayments of fee(s)  Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

<u>Fee (\$)</u>	<u>Small Entity</u>
50	25
200	100
360	180

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

Multiple dependent claims

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 20 or HP =	x	=				
HP = highest number of total claims paid for, if greater than 20						

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 3 or HP =	x	=	

HP = highest number of independent claims paid for, if greater than 3

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =	/ 50 =	(round up to a whole number) x	=	

### 4. OTHER FEE(S)

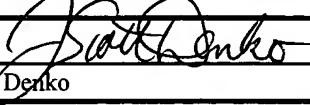
Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement

Fees Paid (\$)

180

## SUBMITTED BY

Signature		Registration No. 37,606 (Attorney/Agent)	Telephone 512-320-9200
Name (Print/Type)	J. Scott Denko		Date 8/5/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450; Alexandria, VA 22313-1450.

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Attorney Docket No. 254-094-CIP4-CIP-MB  
AK Matter No.: 153763

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Zfw  
AP

Title: Stacked Module Systems and Methods  
Application No.: 10/828,495  
Filing Date: April 20, 2004  
Inventor: Julian Partridge, et al.  
Assignee: Staktek Group L.P.  
Examiner: Thanh Y Tran  
Art Unit: 2822

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop - Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Pursuant to the guidelines for Information Disclosure Statements, 37 C.F.R. §§ 1.97-1.98, attached hereto are Forms PTO/SB/08A and PTO/SB/08B (13 sheets) with references listed for consideration by the Office.

Pursuant to Official Gazette Notice No. 14, dated August 5, 2003, copies of the listed written U.S. references are not enclosed. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of the listed written foreign references and publications are being provided.

In accordance with 37 C.F.R. §§ 1.97(g)-(h), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b) or prior art under 35 U.S.C. §§ 102 or 103.

The examiner should also be aware of the following co-pending applications:

App. Ser. No. 10/136,890 filed 5/02/02

App. Ser. No. 10/400,309 filed 3/27/03

09/01/2005 CNGUYEN2 00000015 503534 10828495

01 FC:1806 180.00 DA

AUS:572556.1

App. Ser. No. 10/435,192 filed 5/09/03  
App. Ser. No. 10/453,398 filed 6/03/03  
App. Ser. No. 10/457,608 filed 6/09/03  
App. Ser. No. 10/624,097 filed 7/21/03  
App. Ser. No. 10/631,886 filed 7/14/03  
App. Ser. No. 10/709,732 filed 5/25/04  
App. Ser. No. 10/804,452 filed 3/19/04  
App. Ser. No. 10/814,530 filed 3/31/04  
App. Ser. No. 10/814,532 filed 3/31/04  
App. Ser. No. 10/836,855 filed 4/30/04  
App. Ser. No. 10/845,029 filed 5/13/04  
App. Ser. No. 10/872,897 filed 6/21/04  
App. Ser. No. 10/873,847 filed 6/22/04  
App. Ser. No. 10/913,220 filed 8/06/04  
App. Ser. No. 10/914,483 filed 8/09/04  
App. Ser. No. 10/917,216 filed 8/12/04  
App. Ser. No. 10/931,828 filed 9/01/04  
App. Ser. No. 10/940,074 filed 9/14/04  
App. Ser. No. 10/956,442 filed 10/01/04  
App. Ser. No. 10/958,584 filed 10/05/04  
App. Ser. No. 10/958,924 filed 10/05/04  
App. Ser. No. 10/958,934 filed 10/05/04  
App. Ser. No. 10/963,867 filed 10/12/04  
App. Ser. No. 10/978,149 filed 10/29/04  
App. Ser. No. 11/003,168 filed 12/03/04

Attorney Docket No. 254-094-CIP4-CIP-MB  
AK Matter No.: 153763

App. Ser. No. 11/011,469 filed 12/14/04

App. Ser. No. 11/015,521 filed 12/17/04

App. Ser. No. 11/039,615 filed 1/20/05

App. Ser. No. 11/040,564 filed 1/21/05

App. Ser. No. 11/051,815 filed 2/04/05

App. Ser. No. 11/074,026 filed 3/04/05

App. Ser. No. 11/116,981 filed 4/28/05

App. Ser. No. 11/131,812 filed 5/18/05

App. Ser. No. 11/173,445 filed 7/01/05

App. Ser. No. 11/175,562 filed 7/05/05

The Commissioner is hereby authorized to charge the filing fee of \$180 and any other fees which may be required in connection with the filing, or to credit any overpayment to Deposit Account No. 50-3534, upon which account the undersigned has the authority to sign. A **duplicate copy of Forms PTO/SB/08A and PTO/SB/08B are enclosed.**

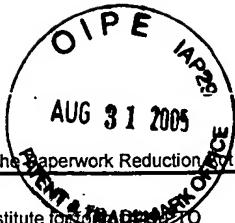
Respectfully submitted,

ANDREWS KURTH LLP

Date Aug. 5, 2005

By:

  
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PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for ~~Information Disclosure Statement~~

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

8

**Complete if Known**

Application Number	10/828,495
Filing Date	April 20, 2004
First Named Inventor	Julian Partridge, et al.
Art Unit	2822
Examiner Name	Thanh Y Tran
Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

**U. S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,919,626 B2	7/19/2005	Burns	
		US-6,914,324 B2	7/5/2005	Rapport, et al.	
		US-6,908,792 B2	6/21/2005	Bruce, et al.	
		US-6,884,653	4/26/2005	Larson	
		US-6,803,651	10/12/2004	Chiang	
		US-6,709,893	3/23/2004	Moden, et al.	
		US-6,699,730 B2	3/2/2004	Kim, et al.	
		US-6,690,584	2/10/2004	Uzuka, et al.	
		US-6,683,377	1/27/2004	Shim, et al.	
		US-6,677,670 B2	1/13/2004	Kondo	
		US-6,614,664	9/2/2003	Lee	
		US-6,588,095	7/8/2003	Pan	
		US-6,576,992	6/10/2003	Cady, et al.	
		US-6,552,910 B1	4/22/2003	Moon, et al.	
		US-6,528,870 B2	3/4/2003	Fukatsu, et al.	
		US-6,509,639	1/21/2003	Lin	
		US-6,489,687 B1	12/3/2002	Hashimoto	
		US-6,489,178	12/3/2002	Coyle, et al.	
		US-6,444,490	9/3/2002	Bertin, et al.	
		US-6,426,560 B1	7/30/2002	Kawamura, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

Examiner Signature \_\_\_\_\_ Date Considered \_\_\_\_\_

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/828,495
				Filing Date	April 20, 2004
				First Named Inventor	Julian Partridge, et al.
				Art Unit	2822
				Examiner Name	Thanh Y Tran
Sheet	2	of	8	Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

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		Number-Kind Code <sup>2</sup> (if known)			
		US-6,376,769 B1	4/23/2002	Chung	
		US-6,329,708	12/11/2001	Komiyama	
		US-6,316,825	11/13/2001	Park, et al.	
		US-6,310,392	10/30/2001	Burns	
		US-6,288,907 B1	9/11/2001	Burns	
		US-6,285,560	9/4/2001	Lyne	
		US-6,187,652 B1	2/13/2001	Chou, et al.	
		US-6,178,093 B1	1/23/2001	Bhatt, et al.	
		US-6,165,817	12/26/2000	Akram	
		US-6,157,541	12/5/2000	Hacke	
		US-6,121,676	9/19/2000	Solberg	
		US-6,084,294	7/4/2000	Tomita	
		US-6,084,293	7/4/2000	Ohuchi	
		US-6,002,167	12/14/1999	Hatano, et al.	
		US-5,973,395	10/26/1999	Suzuki, et al.	
		US-5,963,427	10/5/1999	Bolleson	
		US-5,922,061	7/13/1999	Robinson	
		US-5,917,709	6/29/1999	Johnson, et al.	
		US-5,895,970	4/20/1999	Miyoshi, et al.	
		US-5,841,721	11/24/1998	Kwon, et al.	

<b>FOREIGN PATENT DOCUMENTS</b>					
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Examiner Signature	Date Considered
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/828,495
Sheet	3	of	8	Filing Date	April 20, 2004
				First Named Inventor	Julian Partridge, et al.
				Art Unit	2822
				Examiner Name	Thanh Y Tran
				Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

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		US-5,804,870	9/8/1998	Burns	
		US-5,801,439	9/1/1998	Fujisawa, et al.	
		US-5,789,815	8/4/1998	Tessier, et al.	
		US-5,783,464	7/21/1998	Burns	
		US-5,764,497	6/9/1998	Mizumo, et al.	
		US-5,763,296	6/9/1998	Casati, et al.	
		US-5,729,894	3/24/1998	Rostoker, et al.	
		US-5,657,537	8/19/1997	Saia, et al.	
		US-5,646,446	7/8/1997	Nicewarner, Jr. et al.	
		US-5,642,055	6/24/1997	Difrancesco	
		US-5,588,205	12/31/1996	Roane	
		US-5,523,695	6/4/1996	Lin	
		US-5,502,333	3/26/1996	Bertin, et al.	
		US-5,477,082	12/19/1995	Buckley III, et al.	
		US-5,438,224	8/1/1995	Papageorge, et al.	
		US-5,394,303	2/28/1995	Yamaji	
		US-5,386,341	1/31/1995	Olson, et al.	
		US-5,361,228	11/1/1994	Adachi, et al.	
		US-5,357,478	10/18/1994	Kikuda, et al.	
		US-5,252,857	10/12/1993	Kane, et al.	

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Sheet	4	of	8	Filing Date	April 20, 2004
				First Named Inventor	Julian Partridge, et al.
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		Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		
		US-5,252,855	10/12/1993	Ogawa, et al.	
		US-5,229,916	7/20/1993	Frankeny, et al.	
		US-5,214,307	5/25/1993	Davis	
		US-5,198,965	3/30/1993	Curtis, et al.	
		US-5,168,926	12/8/1992	Watson, et al.	
		US-5,159,535	10/27/1992	Desai, et al.	
		US-5,138,434	8/11/1992	Wood, et al.	
		US-5,068,708	11/26/1991	Newman	
		US-5,057,903	10/15/1991	Olla	
		US-5,041,902	8/20/1991	McShane	
		US-4,712,129	12/8/1987	Orcutt	
		US-4,587,596	5/6/1986	Bunnell	
		US-3,983,547	9/28/1976	Almasi	
		US-2004/0115866 A1	6/17/2004	Bang, et al.	
		US-2004/0099938 A1	5/27/2004	Kang, et al.	
		US-2004/0065963 A1	4/8/2004	Karnezos	
		US-2004/0021211 A1	2/5/2004	Damberg	
		US-2004/0000708 A1	1/1/2004	Rapport, et al.	
		US-2003/0168725 A1	9/11/2003	Warner, et al.	
		US-2003/0109078 A1	6/12/2003	Takahashi, et al.	

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/828,495
Sheet	5	of	8	Filing Date	April 20, 2004
				First Named Inventor	Julian Partridge, et al.
				Art Unit	2822
				Examiner Name	Thanh Y Tran
				Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2003/0081392	5/1/2003	Cady, et al.	
		US-2003/0045025	3/6/2003	Coyle, et al.	
		US-2003/0016710	1/23/2003	Kamoto	
		US-2002/0076919	6/20/2002	Peters, et al.	
		US-2002/0048849	4/25/2002	Isaak	
		US-2002/0030995	3/14/2002	Shoji	
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		US-2001/0006252 A1	7/5/2001	Kim, et al.	
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		US-6,627,984 B2	9/30/2003	Bruce, et al.	

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Sheet	6	of	8	Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

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		Number-Kind Code <sup>2</sup> (if known)			
		US-6,452,826	9/17/2002	Kim, et al.	
		US-6,449,159	9/10/2002	Haba	
		US-6,313,998	11/6/2001	Kledzik	
		US-6,303,981	10/16/2001	Moden	
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		US-5,744,827	4/28/1998	Jeong, et al.	
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Sheet 7 of 8

**Complete if Known**

Application Number	10/828,495
Filing Date	April 20, 2004
First Named Inventor	Julian Partridge, et al.
Art Unit	2822
Examiner Name	Thanh Y Tran
Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

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		Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY		
		US-2005/0040508 A1	2/24/2005	Lee	
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		US-6,002,589	12/14/1999	Perino, et al.	

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Sheet	8	of	8	Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

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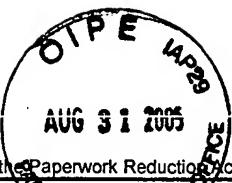
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Sheet 1 of 3

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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		WO 03/037053 A1	5/1/2003	Cady, et al.		
		JP 63-153849 (A)	6/27/1998	Matsubara		
		JP 62-230027 (A)	8/10/1987	Nakamura		
		JP 4-209562 (A)	7/30/1992	Uzuka, et al.		✓
		JP 404368167 (A)	12/21/1992	Omura		
		JP 2003/347503 (A)	12/5/2003	Toshiyuki, et al.		✓

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		JP 2003/347475 (A)	12/5/2003	Mitsuru		
		JP 2003/309247 (A)	10/31/2003	Mitsuru		
		JP 2000/307029 (A)	11/2/2000	Mitsuru		
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		JP 3641047659 (A)	3/8/1986	Soga, et al.		

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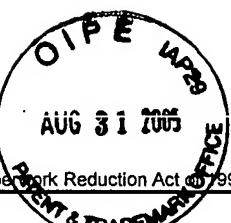
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP 359088863 (A)	5/22/1984	Shiragasawa, et al.		
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		DE 004214102 A1	12/3/1992	Chun		

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Substitute for form 1449A-02

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 2

### Complete if Known

Application Number	10/828,495
Filing Date	April 20, 2004
First Named Inventor	Julian Partridge, et al.
Art Unit	2822
Examiner Name	Thanh Y Tran
Attorney Docket Number	254-094-CIP4/CIP-MB / AK 153763

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Flexible Printed Circuit Technology - A Versatile Interconnection Option. (Website 2 pages) Fjelstad, Joseph. December 3, 2002.	
		Chip Scale Packaging and Redistribution, Paul A. Magill, Glenn A. Rinne, J. Daniel Mis, Wayne C. Machon, Joseph W. Baggs, Unitive Electronics Inc.	
		Dense-Pac Microsystems, 16 Megabit High Speed CMOS SRAM DPS1MX16MKn3	
		Dense-Pac Microsystems, 256 Megabyte CMOS DRAM DP3ED32MS72RW5	
		Dense-Pac Microsystems, Breaking Space Barriers, 3-D Technology 1993	
		Dense-Pac Microsystems, DPS512X16A3, Ceramic 512K X 16 CMOS SRAM Module	
		IBM Preliminary 168 Pin SDRAM Registered DIMM Functional Description & Timing Diagrams	
		3D Interconnection for Ultra-Dense Multichip Modules, Christian VAL, Thomson-CSF DCS Computer Division, Thierry Lemoine, Thomson-CSF RCM Radar Countermeasures Division	
		High Density Memory Packaging Technology High Speed Imaging Applications, Dean Frew, Texas Instruments Incorporated	
		Vertically-Integrated Package, Alvin Weinberg, Pacesetter, Inc. and W. Kinzy Jones, Florida International University	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/828,495
Sheet	2	of	2	Filing Date	April 20, 2004
				First Named Inventor	Julian Partridge, et al.
				Art Unit	2822
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		1992 Proceedings, 42nd Electronic Components & Technology Conference, May 18-20, 1992
		Research Disclosure, Organic Card Device Carrier, 31318, May 1990, No. 313
		IBM Technical Disclosure Bulletin, Vol. 23, No. 12, May 1981
		IBM Technical Disclosure Bulletin, Vol. 20, No. 11A, Apr. 1978
		IBM Technical Disclosure Bulletin, vol. 32, No. 3B, Aug. 1989
		Orthogonal Chip Mount - A 3D Hybrid Wafer Scale Integration Technology, International Electron Device Meeting, IEDM Technical Digest, Washington, D.C., Dec. 6-9, 1987

Examiner Signature		Date Considered
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